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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/551,817

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Ping Lin

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EXAMINER

RAMPURIA, SHARAD K

ART UNIT

PAPER NUMBER

2617

MAIL DATE

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/551,817	<b>Applicant(s)</b> LIN ET AL.	
	<b>Examiner</b> SHARAD RAMPURIA	<b>Art Unit</b> 2617	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 October 2008.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 & 4 are rejected under 35 U.S.C. 102 (e) as being anticipated by **Widegren; Ina et al.** [US 6374112 B1].

As per claim 1, **Widegren** teaches:

A method for managing data transmission during a User equipment (UE) handover procedure used in a Radio Network Controller (RNC) having a distributed architecture, said RNC comprising a plurality of radio signaling management boards, a plurality of data transmission management boards and interface ATM boards, (Abstract) characterized in that the method comprises the following steps:

acquiring a handover request transmitted by UE in cells within the same RNC from a first ATM interface board, by one of the plurality of radio signaling management boards; (Col.7; 10-17)

creating mapping between said one of the plurality of data transmission management boards and a second ATM interface board, by the radio signaling management board, said one of

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the plurality of data transmission management board having mapping to the first ATM interface board before handover; (Col.3; 32-54) and informing UE of performing data transmission between said one of the plurality of the data transmission management boards and the second ATM interface board, by the radio signaling management board wherein said one of the plurality of data transmission management boards is the same during the user equipment (UE) handover procedure. (e.g. FIG. 4 is a flowchart diagram the illustrates a radio access bearer establishment routine (block 80). A core network service node requests a radio bearer access service (in the non-access plane 50) over the RAN interface to the UTRAN 24 to establish a connection with the mobile station (block 81). The UTRAN 24 receives and processes the service request which includes quality of service parameters (block 82). The transport resources such as one or more AAL/ATM connections are established through the UTRAN to support the connection with the mobile station (block 83). If a dedicated channel is not currently established to the mobile station, a dedicated channel may be established between the UTRAN and the mobile station if appropriate for the requested radio access bearer service (block 84); Col.9; 5-32)

As per claim 4, **Widegren** teaches:

A method according to claim 1, characterized in that, after handover, the radio signaling management board deletes the mapping between the first ATM interface board and the data transmission management board. (Col.7; 10-17)

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 2-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Widegren** in view of **Lim; Byung Keun** [US 6801508 B1].

As per claim 2, **Widegren** teaches all the particulars of the claim except causing the second ATM interface board to learn an IP address of the data transmission management board, by the radio signaling management board; and causing the data transmission management board to learn an IP address of the second ATM interface board, by the radio signaling management board. However, **Lim** teaches in an analogous art, that a method according to claim 1,

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characterized in that, the step of creating mapping between one of the plurality of data transmission management boards and a second ATM interface board further comprises the steps of: causing the second ATM interface board to learn an IP address of the data transmission management board, by the radio signaling management board; and causing the data transmission management board to learn an IP address of the second ATM interface board, by the radio signaling management board. [Col.10; 32-45] Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to including causing the second ATM interface board to learn an IP address of the data transmission management board, by the radio signaling management board; and causing the data transmission management board to learn an IP address of the second ATM interface board, by the radio signaling management board in order to provide a method of a packet data network and packet data transfer method, and more particularly to an asynchronous transfer mode (ATM) packet network which is suitable to a radio communication network.

As per claim 3, **Widegren** teaches all the particulars of the claim except the interface ATM board obtains its IP address according to an index number of the data transmission management board, and the data transmission management board obtains its IP address according to an index number of the interface ATM board. However, **Lim** teaches in an analogous art, that a method according to claim 2, characterized in that, the interface ATM board obtains its IP address according to an index number of the data transmission management board, and the data transmission management board obtains its IP address according to an index number of the interface ATM board. (Col.7; 4-35)

***Response to Remarks***

Applicant's arguments filed on 10/29/2008 have been fully considered but they are not persuasive.

***Relating to Claim 1:***

In view of the fact, that **WIDEGREN** teaches, "Radio Service (GPRS) node 20 tailored to provide packet-switched type services. Each of the core network service nodes 18 and 20 connects to a UMTS Terrestrial Radio Access Network (UTRAN) 24 over a Radio Access Network (RAN) interface. The UTRAN 24 includes one or more radio network controllers (RNCS) 26. **Each RNC 26 is connected to a plurality of base stations (BS) 28 and to any other RNC in the UTRAN 24. Radio communications between the base stations 28 and mobile radio stations (MS) 30 are by way of a radio interface.**" (Widegren, 26, 28; Fig.1, Col.5; 47-55, Col.7; 10-40). Thus, it is evidently, the explanations above are directed to telecommunications systems and methods for connecting or handoff to one of the base station in the same family of a RNC, that positively, anticipated by **WIDEGREN**. Hence, it is believed that **WIDEGREN** still teaches the claimed limitations.

The above arguments also recites for the other independent claims, consequently the response is the same explanation as set forth above with regard to claim 1.

Because the remaining claims depend directly/indirectly, from one of the independent claims discussed above, as a result the response is the same justification as set forth above.

With the intention of that explanation, it is believed and as enlighten above, the refutation are sustained.

***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sharad Rampuria whose telephone number is (571) 272-7870. The examiner can normally be reached on M-F. (8:30-5 EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dwayne Bost can be reached on (571) 272-7023. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000 or

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/Sharad Rampuria/  
Primary Examiner  
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